Information Disclosure Statement Transmittal

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the below date of deposit.			
Date of Deposit: 7/7/05	Name of Person Making the Deposit:	Shannon Carmo	Signature of the Person Making the Deposit:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Carroll Philip GOSSETT

Application No.: 10/015,013   Group Art Unit: 2631

Filed: 12/11/2001   Examiner:

Title: LPC FILTER FOR REMOVING PERIODIC AND QUASI-PERIODIC INTERFERENCE FROM SPREAD SPECTRUM SIGNALS

Commissioner of Patents
P. O. Box 1450
Alexandria, VA 22313-1450
Sir:

Information Disclosure Statement Transmittal

Transmitted herewith is the following:

.... Formal drawings, totaling .... sheets.
.... Informal drawings, totaling .... sheets.
.... Certification for PTO Consideration
__X__ Information Disclosure statement (_3_ sheets)
.... Information Disclosure statement and late filing fee
__X__ Form 1449
.... Petition for Extension of Time
__10__ Other: References

Fee Calculation (for other than a small entity)			
Fee Items		Fee Rate	Total
Petition for Extension of Time (fee calculated elsewhere		$ .00	$0.00
Information Disclosure Statement, late filing		$180.00	$180.00
Other:			$0.00
Total Fees			$180.00

PAYMENT OF FEES

1.   The full fee due in connection with this communication is provided as follows:

[X]   The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No.: 23-0085 .
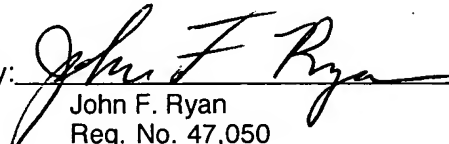A duplicate copy of this authorization is enclosed.

[X]   A check in the amount of $180.00

Please direct all correspondence concerning the above-identified application to the following address:

WAGNER, MURABITO & HAO LLP
Two North Market Street, Third Floor
San Jose, California 95113
(408) 938-9060
Customer No: 000041066

Respectfully submitted,

Date:___July 7, 2005_____

By:_____
John F. Ryan
Reg. No. 47,050

Inventor(s): Carroll Philip GOSSETT

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Information Disclosure Statement Submitted Pursuant to 37 C.F.R. 1.97(b)

The citations referenced herein, copies attached, may be material to the examination of the above-identified application and are, therefore, submitted in compliance with the duty of disclosure as defined in 37 C.F.R. 1.56. The Examiner is requested to make these citations of official record in the application.

This Information Disclosure Statement submitted in accordance with 37 C.F.R. 1.97(b) is not to be construed as a representation that a search has been made, that additional items material to the examination of this application do not exist, or that any one or more of these citations constitute prior art under 35 U.S.C. 102.

The Examiner's attention is respectfully directed to the following U.S. Patents:

Pat. No.	Pat. Title	Grant Date
6,496,474	Spread Encoding Device and Method	12/17/2002
2002/0172180	Use of Chip Repetition to Produce a Flexible Bandwidth DS-CDMA System	11/21/2002
2002/0106004	Method and Apparatus for Non-Linear Code-Division Multiple Access Technology	08/08/2002
6,091,760	Non-Recursively Generated Orthogonal PN Codes for Variable Rate CDMA	07/18/2000
5,677,929	Automobile On-Board and/or Portable Telephone System	10/14/1997
6,522,656	Distributed Processing Ethernet Switch With Adaptive Cut-Through Switching	09/29/1998
6,128,332	Spread Spectrum Transmitter and Receiver Employing Composite Spreading Codes	10/03/2000
5,715,236	System and Method for Generating Signal Waveforms in a CDMA Cellular Telephone System	02/03/1998

07/12/2005 NNGUYEN1 00000028 10015013

01 FC:1806   180.00 OP

5,809,061	CDMA Communication System with Pilot Tone Control	09/15/1998
5,825,807	System and Method for Multiplexing a Spread Spectrum Communication System	10/20/1998
6,091,760	Non-Recursively Generated Orthogonal PN Codes for Variable Rate CDMA	07/18/2000
6,463,089	Hybrid Spread Spectrum Method and System for Wirelessly Transmitting and Receiving Wideband Digital Date	10/08/2002
5,646,964	DS/CDMA Receiver for High-Speed Fading Environment	07/08/1997
5,623,485	Dual Mode Code Division Multiple Access Communication System and Method	04/22/1997
6,185,246	System and Method for Orthogonal Spread Spectrum Sequence Generation in Variable Data Rate Systems	02/06/2001
6,211,828	Retractable Antenna Unit for a Mobile Phone	04/03/2001
6,185,426	System, Method, and Apparatus for Delivery of Location Information About Caller	02/06/2001
6,169,912	RF Front-End with Signal Cancellation Using Receiver Signal to Eliminate Duplexer for a Cordless Phone	01/02/2001
6,507,573	Data Transfer method and System in Low Voltage Networks	01/14/2003
6,449,305	Method and Apparatus for Performing Handoff in A Spread-Spectrum Communication System	09/10/2002
6,005,891	System for Testing Signal Transmission/Reception Apparatus	12/21/1999
5,864,548	Method and Apparatus for Fast Modulation in Synchronous CDMA Communications	01/26/1999
6,665,825	Cellular CDMA Transmission System	12/16/2003
6,229,478	Near-Real time DGPS Network and Server System	05/08/2001
6,411,645	Modulation Apparatus of Multicarrier Direct Sequence Spread Spectrum Communication System	06/25/2002
5,691,974	Method and Apparatus for Using Full Spectrum Transmitted Power in a Spread Spectrum Communication System for Tracking Individual Recipient Phase, Time and Energy	11/25/1997
4,358,844	Method of and Means for Spread-Spectrum Transmission	11/09/1982

5,940,429   Cross-Term Compensation Power Adjustment of
                      Embedded Auxiliary Data in a Primary Data Signal   08/17/1999

The Examiner's attention is respectfully directed to the following Foreign Patents:

Pat. No.	Pat. Title	Grant Date
EP1047215	A Method of Enhancing Security for the Transmission of Information	10/25/2000
WO00/01091	PN Code Selection for Synchronous CDMA	01/06/2000
WO00/01092	Non-Recursively Generated Orthogonal PN Codes for Variable Rate CDMA	01/06/2000
EP0588598	GPS Precision Approach and Landing System For Aircraft	03/23/1994
GB2022954	Transverse Filters	12/19/1997
GB2276794	Spread Spectrum Analog Signal Communication System	10/05/1997

The Examiner's attention is respectfully directed to the following Publications:

Bernardini, et al. "Linear Prediction Methods for Interference Elimination in Spread Spectrum Systems"

J.J. Shynk "On Lattice-Form Algorithms for Adaptive IIR Filtering"

Shan, Et al. "FM Interference Suppression in Spread Spectrum Communications Using Time-Varying Autoregressive Model Based Instantaneous Frequency Estimation"
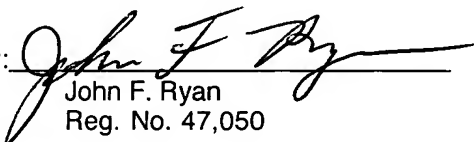
Rodriguez-Fonollosa, et al. "A New Process for Adaptive IIR Filtering Based on the Log-Area-ratio parameters

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By:_____
            John F. Ryan
            Reg. No. 47,050

Form 1449

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	6,496,474	12/17/02	NAGATANI, et al.	370	208	09/23/98
	B	2002/0172180	11/21/02	HALL, et al.	370	342	10/24/01
	C	2002/0106004	09/08/02	TAN	375	140	10/05/01
	D	6,019,760	07/18/00	GIALLORENZI, et al.	375	140	06/10/99
	E	5,677,929	10/14/97	ASANO, et al.	375	206	07/08/94
	F	6,522,656	02/18/03	GRIDLEY	370	428	09/29/98
	G	6,128,332	10/03/00	FUKAWA, et al.	375	146	12/15/97
	H	5,715,236	02/03/98	GILHOUSEN, et al.	370	290	11/24/93
	I	5,809,061	09/15/98	SHEA, et al.	375	206	08/14/95
	J	5,825,807	10/20/98	KUMAR	375	200	11/06/95
	K	6,091,760	07/18/00	GIALLORENZI, et al.	375	140	06/10/99
	L	6,463,089	10/08/02	CHAUNCEY, et al.	375	131	08/19/98
	M	5,646,964	07/08/97	USHIROKAWA, et al.	375	346	07/08/94
	N	5,623,485	04/22/97	BI	370	209	02/21/95
	O	6,185,246	02/06/01	GILHOUSEN	375	200	03/27/98
	P	6,211,828	04/03/01	KRYLOV, et al.	343	702	10/25/99
	Q	6,185,426	02/06/01	ALPEROVICH, et al.	455	456	11/20/97
	R	6,169,912	01/02/01	ZUCKERMAN	455	570	03/31/99
	S	6,507,573	01/14/03	BRANDT, et al.	370	335	09/09/97
	T	6,449,305	09/10/02	MENICH, et al.	375	141	05/10/96
	U	6,005,891	12/21/99	CHADWICK, et al.	375	224	08/13/96
	V	5,864,548	01/26/99	LIU	370	320	01/06/97
	W	6,665,825	12/16/03	MOBIN, et al.	714	700	11/06/00
	X	6,229,478	05/08/01	BIACS, et al.	342	357.03	11/05/98
	Y	6,411,645	01/25/02	LEE, et al.	375	140	08/20/98
	Z	5,691,974	11/25/97	ZEHAVI, et al.	370	203	01/04/95
	AA	4,358,844	11/09/82	PIRANI	370	18	12/12/80
	BB	5,940,429	08/17/99	LAM, et al.	375	200	2/25/97

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	No
	CC	EP1047215	10/25/00	EPO	11	00	X	
	DD	WO00/01091	01/06/00	PCT	7	216	X	
	EE	WO00/01092	01/06/00	PCT	7	216	X	
	FF	EP0588598	03/23/94	EPO	G01S	5/14	X	
	GG	GB2022954	12/19/79	GB	H03H	7/28	X	
	HH	GB2276794	10/05/97	GB	H04J	13/00	X	

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	II	Bernardini, et al. "Linear Prediction Methods for Interference Elimination in Spread Spectrum Systems" European Transactions on Telecommunications and Related Technologies, AEI Milano, IT, Vol 1, 1, No 1, 1990, pages 67-78, XP000170707 ISSN: 1120-3862 Paragraphs 0003, 0004; Figure 6
	JJ	J.J. Shynk; "On Lattice-form algorithms for adaptive IIR filtering" 1988 IEEE International Conference on Acoustics, Speech, and Signal Processing, vol 3, 11-14 April 1988, pages 1554-1557, XP002236570 paragraphs "Adaptive lattice realization" "Gauss-Newton Adaptive algorithms" Figure 1
	KK	Shan P, et al. "FM interference Suppression in Spread Spectrum Communications Using Time-Varying Autoregressive Model Based Instantaneous Frequency Estimation" 1999 IEEE International conference on Acoustics, speech and signal processing (ICASSP) New Your NY IEEE US vol 5, 15 March 1999 (1999-03-15) pages 2559-2562 XP000932374 ISBN: 0-7803-5042-1 Abstract paragraphs 0002, 0003, figure 1
	LL	Rodriguez-Fonollosa J, et al. "A new process for adaptive IIR filtering based on the lod-area-ratio parameters" Signal processing 5: Theories and applications proceedings of eusipco-90 fifth European signal processing conference Barcelona, Sept 18-21, 1990 Proceedings of the European signal processing conference (EUSIPCO) Amsterdam, Elsevier NL vol 1. CONF 5, 18 September 1990 (1990-09-18) Pages 257-260 XP000358086 ISBN: 0-444-88636-2 Paragraphs 0002, 0003
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.